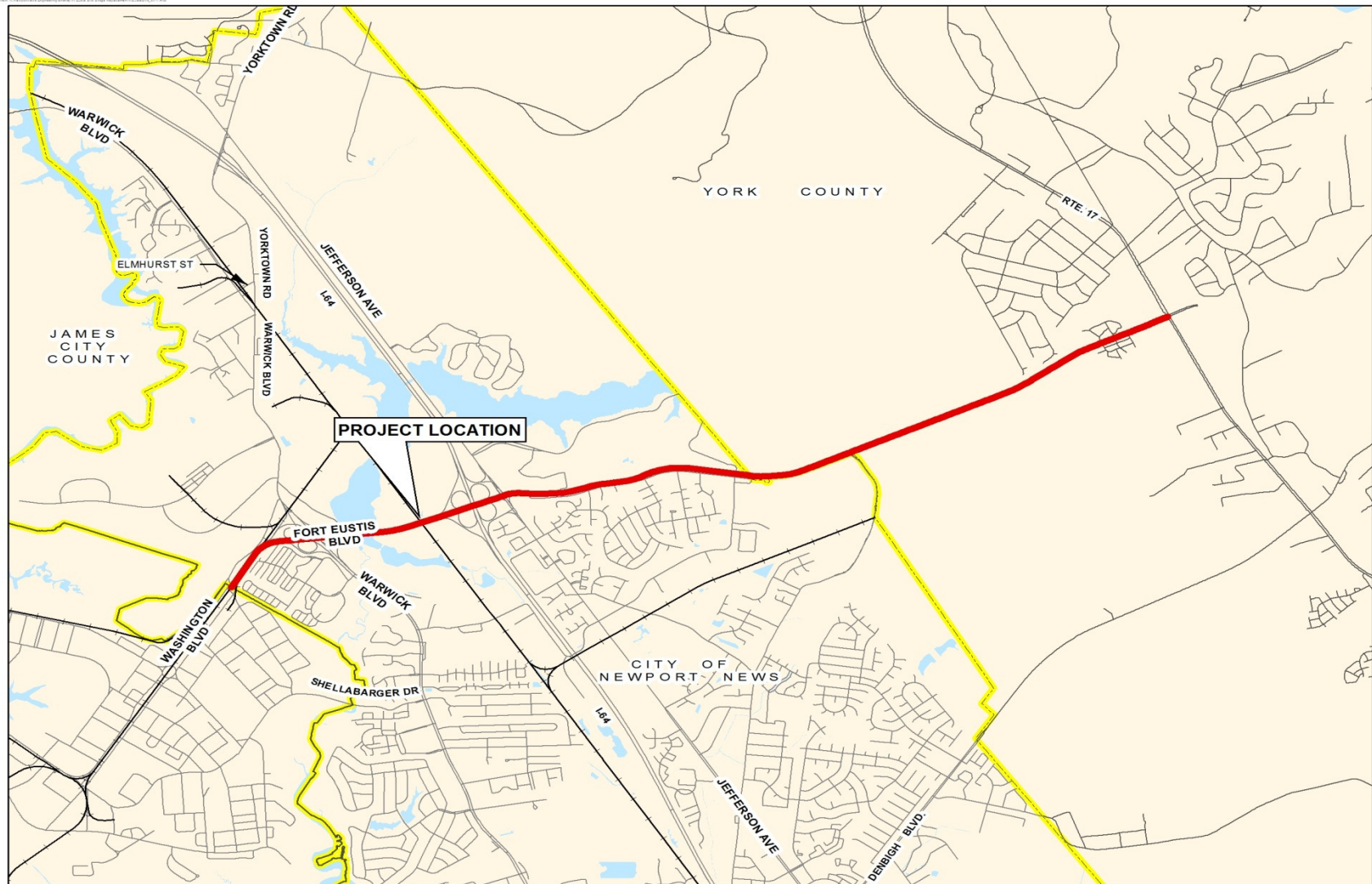


Route 105 (Fort Eustis Blvd) Bridge Replacement over CSX Railroad



City of Newport News
Department of Engineering
Thomas Cheney, II, LS



Route 105 (Fort Eustis Blvd)

- Four lane divided highway
- NHS / STRAHNET
- Bridge built in 1960
- Nearing the end of useful life



Background

- Current Cost \$5.2 Million
- Total Bridge Replacement
- Continuous Steel Rolled Beams
- Semi-Integral Abutment
- Precast / Pre-Stressed Piles and H-Piles
- HL-93 Loading and Alternate Military Loading
- 209'-8" Between Abutments
- 72' Wide
- 23' – 1" Minimum Vertical Clearance
- FHWA Standards

Project Scope

- City of Newport News
- VDOT
- CSX
- Joint Base Langley-Eustis
- MMM Design Group
- Bryant Contracting, Inc.



Stakeholders

- Stage 1 Bridge Construction - 7.5 Months
- Stage 2 Bridge Construction – 8 Months
- Stage 3 Median / Road Restoration – 3 Weeks



Construction Schedule

- Funding
- Utilities
- Changed Project Engineers
- Traffic
- CSX
- Communication



Challenges

- Maintenance of Traffic Plan
- City's Efforts
- Fort Eustis' Efforts
- VDOT's Efforts



Traffic Mitigation

- 311
- Project Website
- Facebook
- City's Website
- City's TV Channel
- Fort Eustis
- Press Releases
- 511
- Interstate Message Boards



Communication

- Communicate
- Bigger Contingency
- Adequate Inspections
- No Single Lane Closures During Rush Hours



Lessons Learned to Date

- Traffic signal on Route 143 & I-64 exit 247
- Sprint completed July 2013
- AT&T start August 2013
- Phase 1 completion January 2014
- Phase 2 completion August 2014
- Phase 3 completion August 2014



Looking Ahead